BLAZER 9000 LUBE LIFT

OPERATOR AND PARTS MANUAL

Blazer 9000 Lube Lift
Operator's Manual

Note: Instructions must be read thoroughly before installing, operating, or maintaining the lift.

Devon Lube Center Equipment
800-468-1970 Fax: 405-943-3882

January 2014

Safety Instructions

1. ***Always work on the vehicle with the lift on the safety locks***.

2. Never allow unauthorized or non-trained personnel to operate lift. Thoroughly train new employees in the use, care and safe operation of the lift.

3. Always lift the vehicle with four points of contact using either the lift frame, rubber pads or lifting arm pads. Ensure that the four points of contact will not shift during operation.

4. Never use the lift to raise only one end or one side of the vehicle.

5. Always keep hands and feet clear of the lift when raising or lowering.

6. Keep area clean of tools, debris, grease and oil. Keep water from gathering on lift base.

7. Passengers should not be allowed inside the vehicle when in operation. Prohibit non-authorized personnel from being in service area while in use.

8. ***Capacity of the Blazer 9000 is 9000 lbs. Do not exceed the 9000 lb. capacity***.

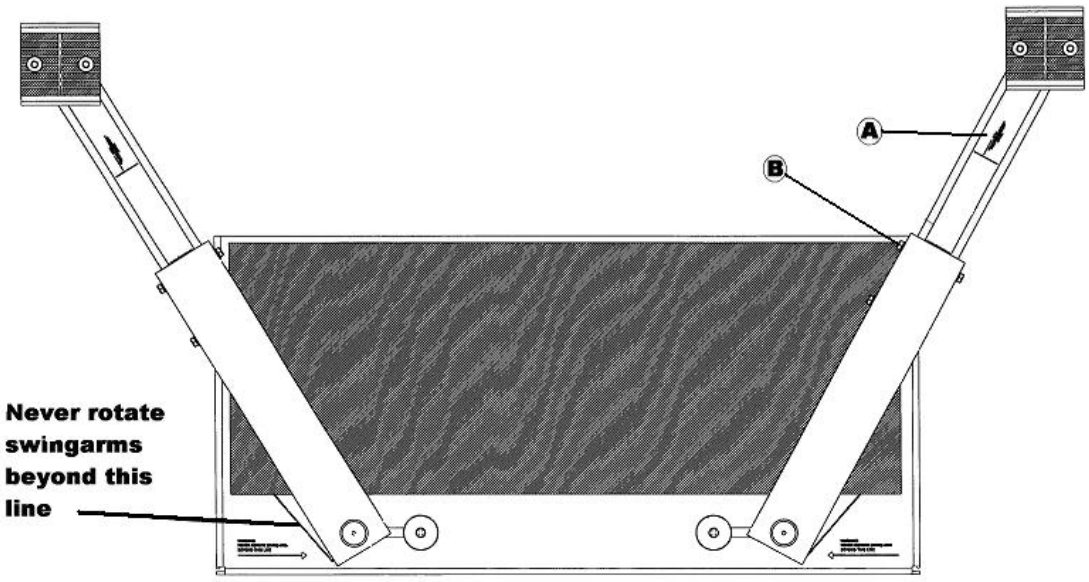
Placing a Vehicle on the Blazer 9000

Note: It is critical that the operator positions the lift points per the vehicle manufacturers recommended lift points. Some vehicle manufacturers have identified the proper lift points with triangular markings on the undercarriage of the vehicle or have placed a label inside the front right door. If neither of these are present, refer to the "**Lifting It Right**" Guides published by ALI or the "**Vehicle Lifting Points for Frame Engaged Lifts**", ALK/LP Guide.

1. The lift must be completely lowered before bringing the car over the lift. Install the rubber pads or the lifting arms as required after the vehicle is centered over the lift and the vehicle lifting points have been identified.

2. The lifting arms have extra height adapters that can be used depending on how high the vehicle lifting point is from the top of the standard size lifting pad. The height adapters are 2-5/8" and 5" and can be inserted into the adapter holes in the swing arms. Once the desired height is determined, the standard lifting pad is set on the top height adapter.
3. To raise lift, press the green raise button on the power unit. When you get to the desired height, lower until it rests on the safety lock by pressing the red lower button on the power unit. When you are ready to lower the lift, raise the lift off of the safety locks and press the air release button releasing the safeties. While holding down on the air release button, press the red lower button on the power unit. Swing arms out from under the vehicle and place them out of the way.
4. Be sure that the vehicle is stable on the lift and neither front nor rear heavy. With some vehicles, the removal (or installation) of components may cause a critical shift in the balance and result in vehicle instability. Refer to the vehicle manufacturer's service manual for recommended procedures when performing these services.
5. Be sure that arm pads and any adapters used are in secure contact with frame at vehicle manufacturer's recommended lift points.

WARNINGS: When using Lifting Arms, Arms must not be rotated beyond the line decal on the top plate as shown. The Arm Extensions must not be extended beyond the arm stops as shown.

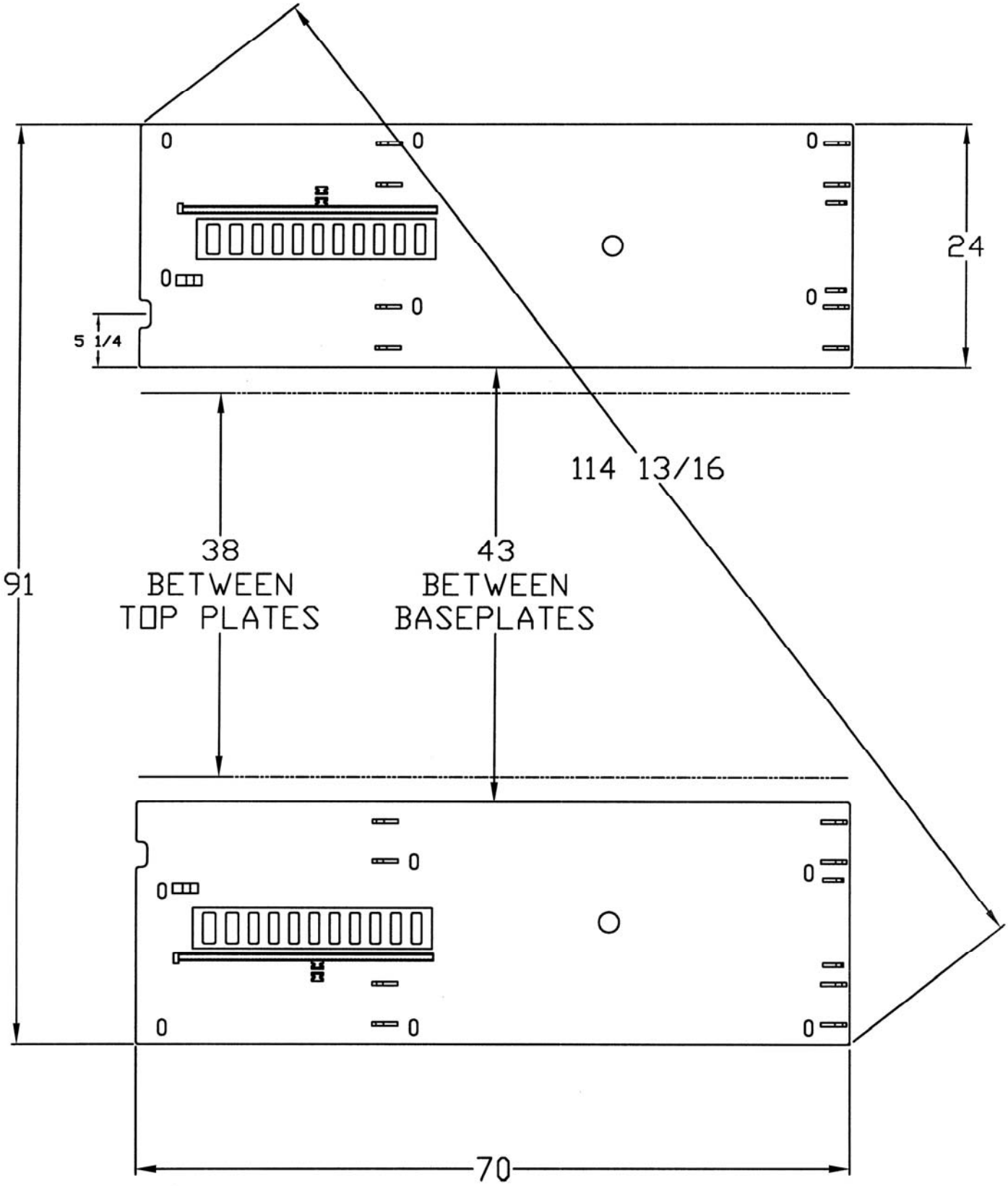


(A) - CAUTION, WHEN AREM IS EXTENDED BEYOND THIS LINE TOTAL LIFT CAPACITY IS REDUCED TO 4,600 POUNDS.

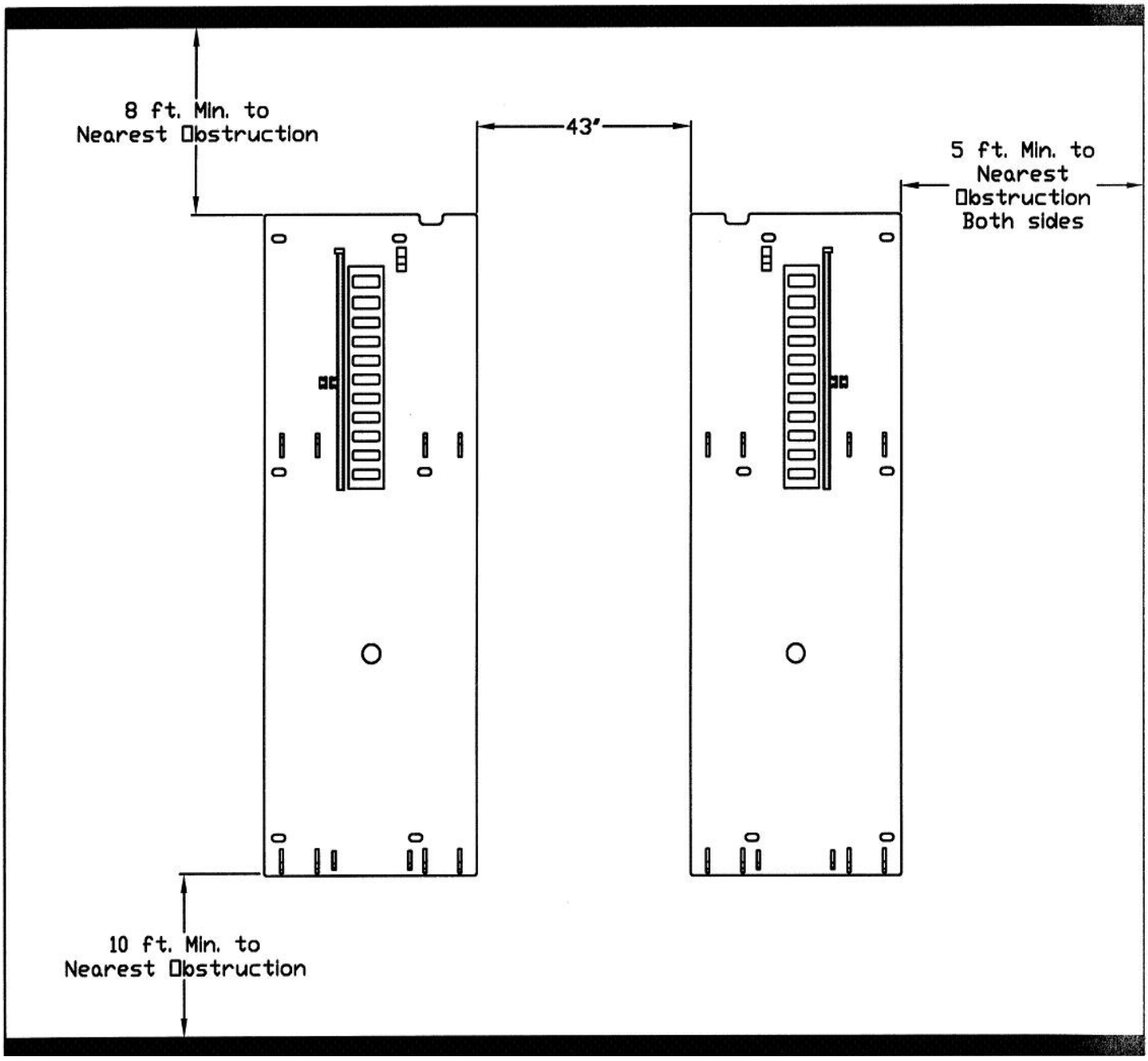
(B) - WARNING, NEVER EXTEND ARM BEYHOND THE STOPS.

II. Installation Instructions

1. The maximum pit width for the Blazer 9000 is 43”.
2. The Blazer 9000 may be mounted on several types of surfaces including regular concrete, pre-cast concrete and other configurations that may utilize metal beams, etc.
3. There should be adequate space on all sides of the lift. Note that the lift and vehicle will move approximately 14” backward as the lift rises to its full height.
4. The bases must be aligned perfectly and the same distance apart.
5. Shim as required to level both sides of the lift.
6. The Blazer 9000 can be surface mounted or recessed mounted. Optional ramps are required if the unit is to be surface installed.
7. See layout dimensions later in this manual.

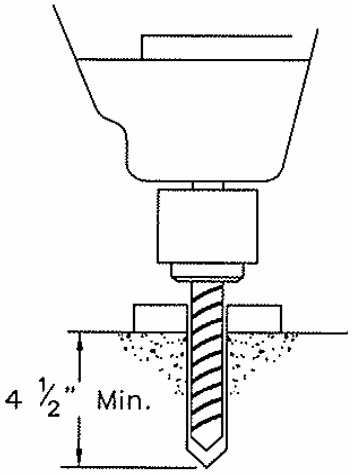

24
5 1/4
114 13/16
91
38
BETWEEN
TOP PLATES
43
BETWEEN
BASEPLATES
70

Layout Dimensions



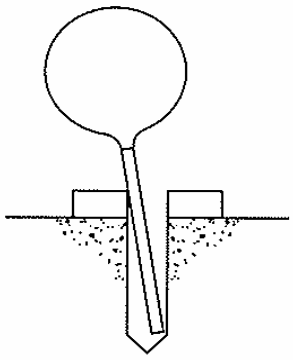
ANCHORING INSTRUCTIONS

Step 1



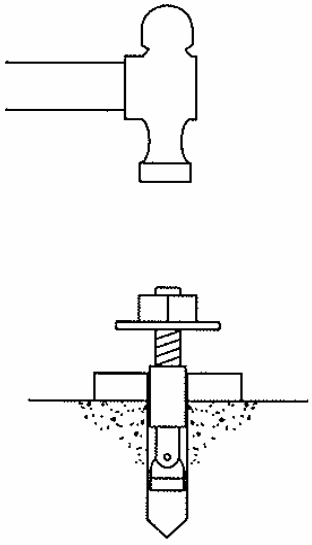
Drill holes using 3/4" carbide tipped masonry drill bit per ANSI standard B94.12.1977

Step 2



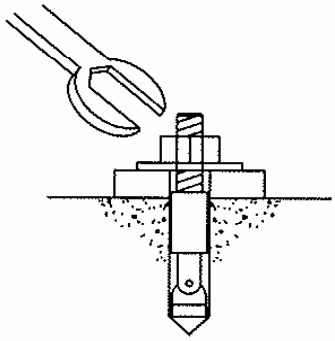
Clean hole.

Step 3



Run nut down just below impact section of bolt. Drive anchor into hole until nut and washer contact base.

Step 4



Tighten nut with Torque wrench to 150 ft.–lbs.

Regular Concrete Installation

1. Concrete must be level and uniform and have a thickness of 4” with a rating of 3000PSI. The concrete should be reinforced with wire and rebar.

2. When installing the Blazer 9000 on a concrete floor that has a basement, you should check with the building architect or manufacturer to determine the proper support for the lift.

3. Utilize 5/8” anchor bolts when anchoring in regular concrete floors per the above specifications.

Pre-Cast Concrete Installation

1. Pre-cast concrete requires a different anchoring system. Consult with the manufacturer or call for more information before anchoring the lift on a pre-cast concrete system.

2. ***Never use regular 5/8” anchor bolts on a pre-cast floor***.

Other Floor Materials

1. When installing the Blazer 9000 on floor materials other than those mentioned above, consult with the manufacturer for best type of anchoring system.

Electrical Connection and Power Unit Installation

1. The power unit will normally be mounted on the optional power unit stand that also includes the air valve mounting. Other type mountings, such as pole or wall mounting are possible, but may require special adapters for the motor mount. The unit owner or manager should approve the location.

2. If used, the power unit stand will require (four) 3/8” anchor bolts which are provided with the stand.

3. 230-Volt Electrical Operation: The power unit comes wired and ready to plug into a 230-volt, single phase, 60 Hz circuit. Use dedicated, single phase, 25-AMP breaker with time delay fuse or circuit breaker. Wiring must comply with local electrical codes.

Hydraulic Connections

1. Reference the hydraulic diagram for instructions on connecting the hydraulic hose on the Blazer 9000. The lift comes standard with small connector hoses that can be used with any length hose depending on how far the power unit is mounted from the lift. The standard length hydraulic hose supplied with the unit is 1 @ 26' and 1 @ 14'. Additional hose lengths can be purchased as required. The hose length does not have to be the same as long as the air is properly bled from the system during installation. See page 13 for further instructions.
2. The power unit operates at high pressure and adequate care must be taken to make sure all hose fittings are securely tightened. Severe leaking will occur if the hose fittings are not properly tightened.

3. The power unit requires 7-1/2 - 8 quarts of Dexron III Automatic Transmission Fluid or an equivalent.

4. Make sure breather cap is functional and not broken.

Air Connections

1. The Blazer 9000 has air safety releases, which require that an air system be installed.

2. The air valve can be mounted on the optional power unit stand referenced above.

3. ***Maximum air pressure on the system is 50-60 PSI. Use regulator to control pressure and water filter to keep system dry.***

4. Reference page #11 for the air schematic and required connections.

Surface Mounting

1. Lifts that cannot be recessed must utilize the optional ramps that will be anchored to the concrete floor. Each ramp is anchored utilizing two 5/8" anchor bolts. The ramp is butted against the lift base, which provides the means for the vehicle to roll on the lift.

II. Owner/Employer Responsibilities

The owner/employer shall:

1. Ensure that lift operators are instructed in the safe use and operation of the lift using the manufacturer instructions and safety tips.

   Display a copy of the manual in a location convenient to the lift so the operators can refer to it as required.

2. Establish procedures to maintain, inspect and care for the lift in accordance with the manufacturers recommended procedures to ensure its continued safe operation.

3. Provide necessary lock out/tagouts of energy sources per ANSI Z244.1-1982 before beginning any lift repairs.

4. Not modify the lift in any manner without prior written consent of the manufacturer.

5. Ensure that there is adequate drainage around the lift so water will not accumulate on the base of the lift.
6. In the unlikely event that one side of the lift will not lower all the way to the floor, slowly crack the hydraulic line (at the power unit) on the line coming from that side of the lift and allow oil to escape until it reaches he floor.

AIR BLEEDING PROCEDURE FOR BLAZER 9000

Step #1 Fill the power unit reservoir with Dexron III Mercon Automatic Transmission Fluid or equivalent, approximately 7.5 quarts to start with, check all connections for proper security and clearances around and under both of the lifting surfaces, example,…. binding, chafing, and pinching. **Warning: Safety eye wear is required prior to equipment operation**.

Step #2 Prior to connecting the hydraulic hoses to the cylinders, press and hold the green "lifting" button on the power unit, this will flow fluid through the hydraulic lines/hoses, flushing any foreign material along with any air from the system and allow you to inspect for possible leaks. Cycle the pump until clear fluid is coming out of both lift pad hydraulic hoses + approximately 1 quart**. Note: Do not reuse this fluid it is likely contaminated.**

Step #3 You will need to manually raise or lower each lifting pad to the first or lowest safety lock setting, making sure that it is securely latched into the latch bar on the base plate. **Warning: Place a safety block or other material under each lifting surface prior to making these connections.** This will allow the installation of the hydraulic hose to the bottom of each hydraulic cylinder.
Note: The 90 degree connection to the lift cylinder needs to be secured at such an angle that the hose comes close to the base plate with minimal contact of the base plate.

Step #4 Press and hold the green "lifting" button until both pads are elevated enough to clear the first set of locks, then release. **Note: It is common for the pads to raise and lower at different elevations on the initial start up, they will even out as this process unfolds**. Depress and hold the air lock release button, this should raise the locks out of the latch bar on both left & right side base plates, simultaneously depressing the red lowering button, the pads should begin to lower within a few moments. Allow the pads to lower all the way to bottom. Duplicate this process numerous times, 5 to 6 cycles, increasing the lifting height by one extra lock per cycle. Each completed operation should facilitate a more even pad elevation and smoother equipment function. Some installations may require more or less cycles to accomplish this stage of the bleeding process.
Note: After completing this process, fill the reservoir to the proper fluid level.
Note: Do not raise the lift pads to their highest point until completing the entire bleeding process.

Step #5. Once you have both lifting services raising/lowering evenly and smoothly you now are ready to put a load on the system to complete the bleeding process. As in Step #1 an inspection around and under each lifting surface for possible leaks and clearances is required. A mid-size vehicle of approximately 4500 + lbs will be needed to finish this process. **Warning: All unnecessary personnel need to be removed from the test area for safety**. Stage the vehicle for lifting, utilizing necessary adapters as required, announce the lift operation, and then when all is clear depress the green "lifting" button. Raise the vehicle until the tires are clear of the floor surface, at this point you will release the green button and depress the lock release button, **Warning: As in previous steps make sure before depressing the red "down" button visually inspect that the locks on both pads are clear of the latch bar on the base plate**. Now you can depress the red "down" button allowing the vehicle to lower down. Make sure that for each cycle you allow the pads to bottom out before starting up again. Continue this process for a few cycles until the vehicle is coming up and going down level/smooth.

Note: Do not adjust any valves on the power unit pump without prior contact and instructions to do so from DEVON. @ 1-800-468-1970

MAINTENANCE

DAILY

1. Keep all movement points clean, dry and lightly lubricated.
2. Always keep bolts tight.
3. Check for oil leaks.
4. Keep air regulator set @ maximum 50-60 PSI.
5. Remove any accumulated moisture from air line filter.
6. Raise lift pads at day's end and remove any standing water or moisture.
7. Use air blow gun to keep moving parts clean & dry.

MONTHLY

1. Wipe clean & lightly oil movement parts & lift pad stacking extensions.
2. Re-Torque the anchor bolts if necessary. (See CAUTION Below)
3. Check all connectors, bolts & pins to insure proper mounting & alignment.
4. Make a visual inspection of hydraulic hoses & lines for possible wear or interference.
5. Check fluid level of power unit (use Dexron III or equivalent).

CAUTION !

ALL ANCHOR BOLTS SHOULD ALWAYS BE TIGHT.
Check the bolts periodically and tighten if necessary to 60-90 ft. lbs. If any of the bolts do not function for any reason, the lift should be shut down until the bolt has been replaced.

TROUBLESHOOTING THE LIFT

1. Motor does not run:	A. Breaker or fuse blown. B. Motor thermal overload tripped. C. Defective UP switch. Replace D. Faulty wiring connections. Call electrician.
2. Motor runs but lift will not raise:	A. Trash is under the release valve. Push Down button and push Up button at the same time. Hold for 15 seconds. B. Oil level low. Oil level should be just under the fill cap port when the lift is down.
3. Motor runs but lift picks up partial load only:	A. Faulty relief valve. Replace. B. Oil is coming out of breather on cylinder. C. Seals damaged.
4. Oil blows out of breather:	A. Oil reservoir overfilled.
5. Motor hums and will not run:	A. Impeller fan cover is dented in. Take off and straighten. B. Faulty wiring-call electrician. C. Bad capacitor-call electrician. D. Low voltage-call electrician. E. Lift overloaded.
6. Lift jerks up and down:	A. Air in system - bleed the system. (See installation instructions bleeding the system).

WARRANTY REGISTRATION

Model No. _____ **Serial No. _____**

Date Purchased: _____ **Invoice No. _____**

Name of Purchaser: _____

Mailing Address: _____

Physical Address of Lift: _____

City: _____ **State: _____** **Zip: _____**

Telephone No. _____

Name of Seller: _____

City: _____ **State: _____** **Zip: _____**

Telephone No. _____

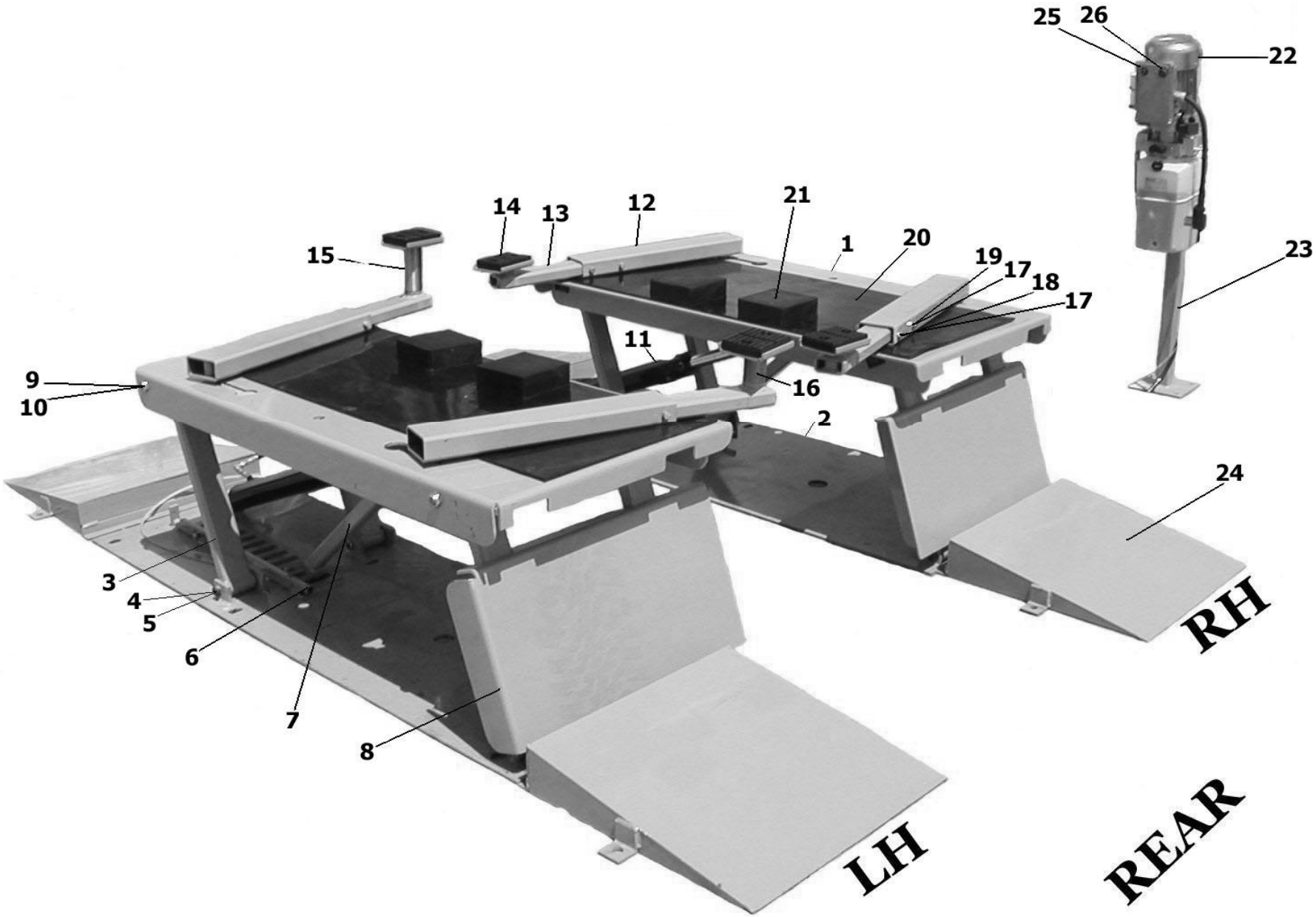
Return to:

DEVON LUBE CENTER EQUIPMENT
P.O. Box 270514
OKLAHOMA CITY, OK 73127

DEVON LUBE CENTER EQUIPMENT

PARTS MANUAL – BLAZER 9000

1-800-468-1970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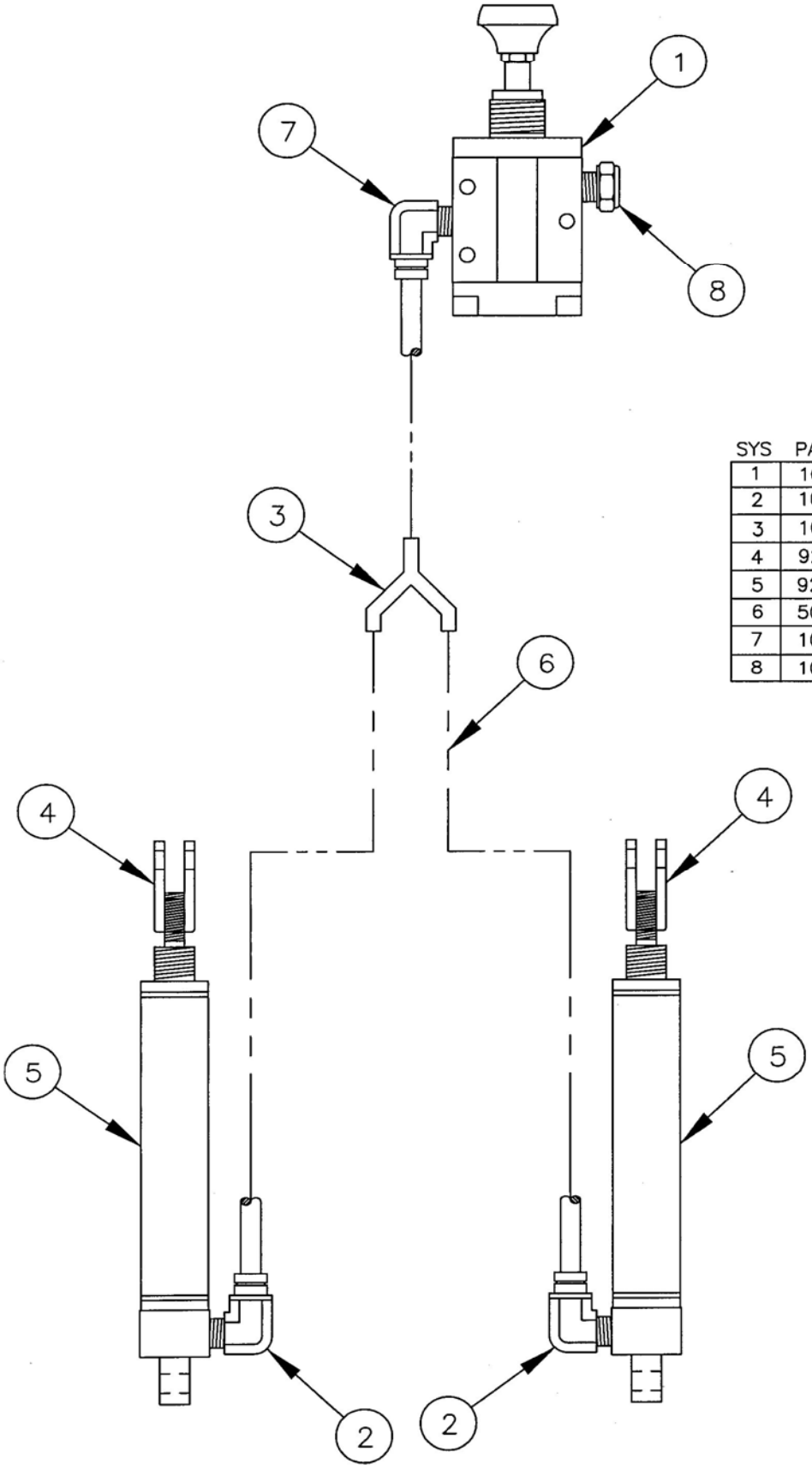
1
20
19
17
18
17
23
11
16
9
10
2
24
3
4
5
6
7
8
RH
LH
REAR

PARTS LIST - BLAZER 9000

Only use manufacturer supplied replacement parts

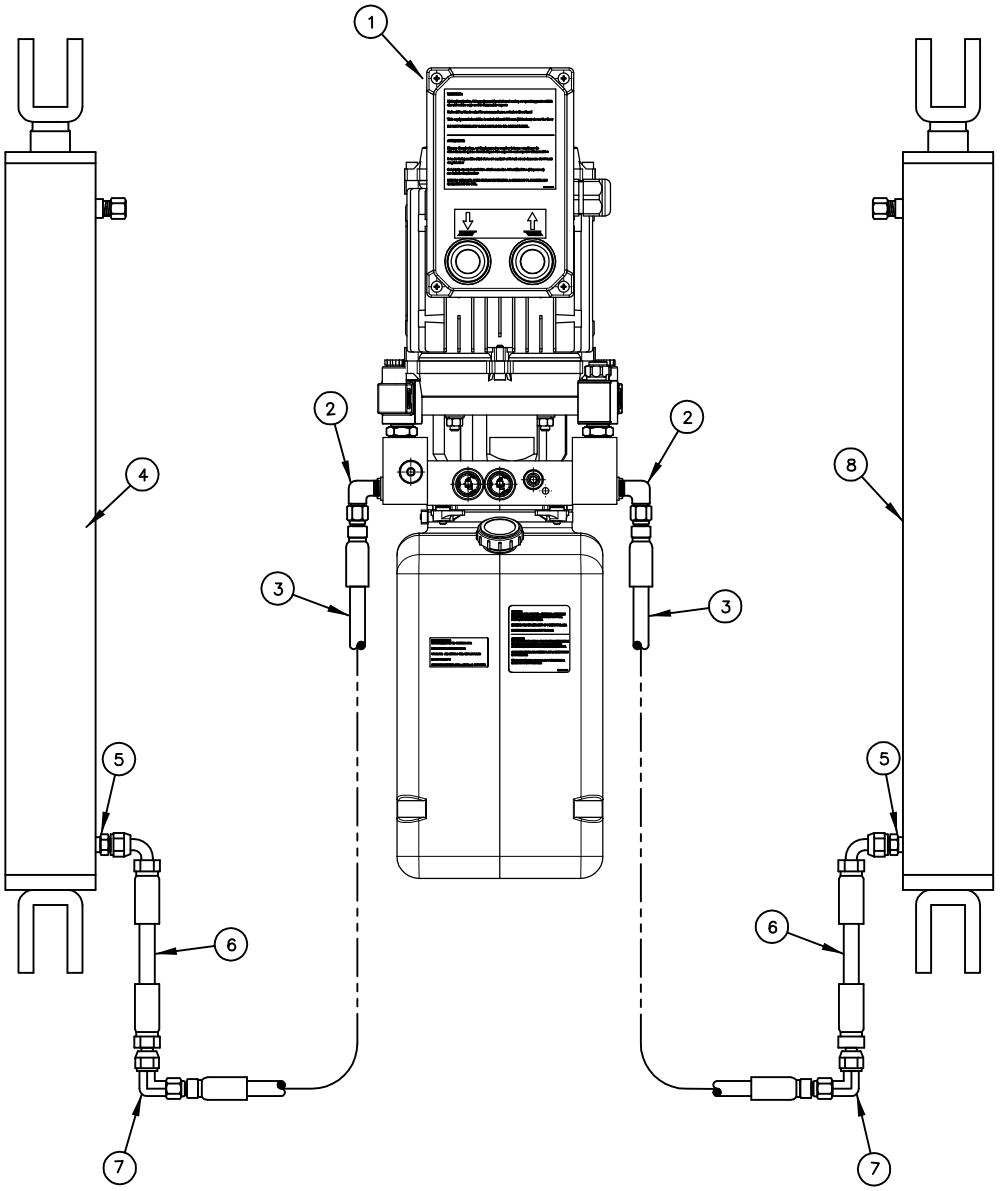
ITEM#	PART#	Description	QTY
1	92422	TOP PLATE STRUCTURE LH	1
1	92423	TOP PLATE STRUCTURE RH	1
2	92402	BASE STRUCTURE - LH	1
2	92403	BASE STRUCTURE - RH	1
#	95169	ANCHOR BOLTS 5/8X3-3/4	12
3	92429	LIFTING LEG	4
4	101047	SHOULDER BOLT 3/4-4	10
5	101048	NYLOCK NUT-THIN 5/8-11NC	10
6	92477L	TOP SAFETY TUBE STR.- LH	1
6	92477R	TOP SAFETY TUBE STR.- RH	1
#	92411	MASTERLINK	4
7	92442	SAFETY BAR STRUCTURE- LH	1
7	92443	SAFETY BAR STRUCTURE- RH	1
8	92433	RAMP STRUCTURE- LH	1
8	92434	RAMP STRUCTURE- RH	1
9	92439	MAIN PIN	4
10	101002	NYLOCK NUT-THIN 3/4-16NF	4
11	92413LH	HYDRAULIC CYLINDER - LH	1
11	92413RH	HYDRAULIC CYLINDER - RH	1
12	92449	OUTER LIFT ARM STR.	4
13	92452	INNER LIFT ARM STR.	4
14	91555	LIFT PAD ASSEMBLY	4
#	91559	LIFT PAD - BOLT ON	4
#	91556	LIFT PAD STRUCTURE	4
#	100179	HEX SCREW 3/8-16NC X 3/4	8
#	100082	FLATWASHER 3/8" SAE	8
#	92492	ARM RETAINER PLUG	4
15	91562	LIFT PAD EXTENSION 5"	4
16	91560	LIFT PAD EXTENSION 2-5/8"	4
17	101049	3/8 LOCK WASHER	12
18	101051	HEX SCREWS - 3/8X16NC x 1/2"	8
19	101050	HEX SCREWS - 3/8X16NC x 5/8"	4
20	92448	RUBBER PAD	2
#	101004	ELEVATOR BOLT	12
#	100131	HEX NUT 1/4 X 20NC	12
21	92460	RUBBER BLOCKS	4
22	95170	POWER UNIT	1
23	92459	POWER UNIT STAND STR.	1
#	95082	ANCHOR BOLTS 3/8 X 3-3/4	4
24	92469	DRIVE ON RAMP STRUCTURE	4
#	95169	ANCHOR BOLT 5/8" X 3-3/4"	8
25	95171	POWER SWITCH - RAISE	1
26	95172	POWER SWITCH - LOWER	1
#	95047	ALI SAFETY REQUIREMENTS FOR OPER.	1
#	95048	ALI LIFTING POINT QUICK REF.	1
#	95049	LIFTING IT RIGHT MANUAL	1
#	95045	ETL DECAL	1
#	95046	ALI UNIFORM WARNING LABELS	1
#	95007	CAUTION DECAL	1
#	95056	SERIAL NAME PLATE	1

AIR SCHEMATIC

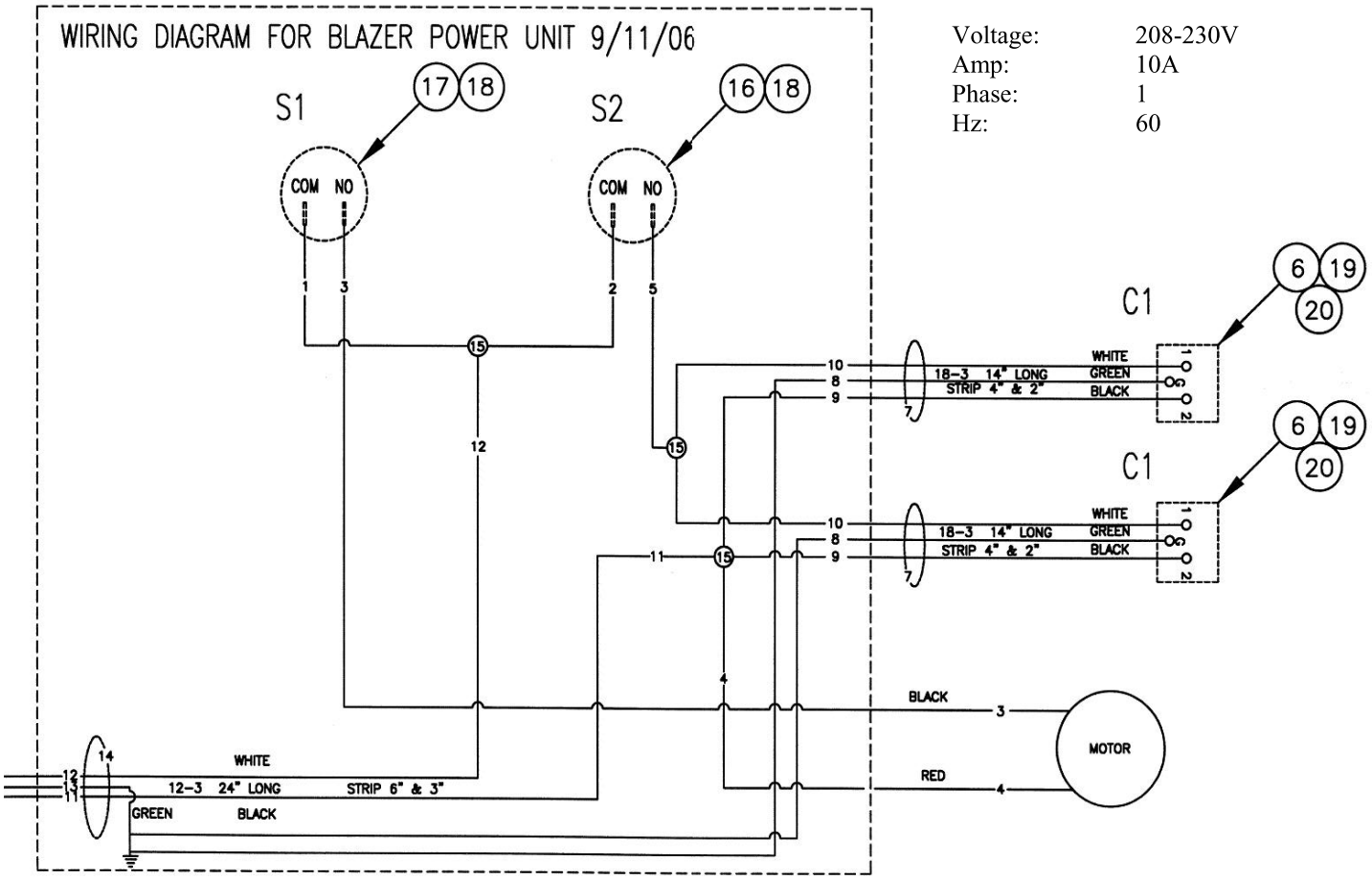


SYS	PART #	PART NAME	QT.
1	105076	AIR VALVE	1
2	105051	ELBOW 1/8 X 1/4	2
3	105046	1/4 UNION "Y" ADPT	1
4	92468	CLEVIS ASSEMBLY	2
5	92478	AIR CYLINDER	2
6	50100	1/4 PLASTIC TUBING	60
7	105047	1/4 NPT ELBOW	1
8	105008	1/4 NPT VENT	1

HYDRAULIC SCHEMATIC



SYS	PART#	PART NAME	QTY
1	95170	Power Unit	1
2	105033	Elbow ¼ NPT x 9/16 JIC	2
3	92445	HYD. Hose -26' Long (RH or LH)	1
3	92445	HYD. Hose -14' Long (RH or LH)	1
4	92413RH	HYD. Cylinder - RH	1
5	60544	Male Conn.9/16 JIC x 9/16 ORB	2
6	92480	HYD.Hose 7-¼"	2
7	105034	Male 90º 9/16 JIC Union	2
8	92413RH	HYD. Cylinder - LH	1



POWER UNIT WIRING- BLAZER LIFT						
CODE	PART NAME		PART #	TERMINAL #		QTY
1	WIRE ASSEMBLY 16 GA. ORNAGE 7"	S1-COM WIRE NUT	92524		100390	1
2	WIRE ASSEMBLY 16 GA. ORNAGE 7"	S2-COM WIRE NUT	92524		100390	1
3	BLACK WIRE FROM MOTOR	S2-NO MOTOR				1
4	RED WIRE FROM MOTOR	WIRE NUT MOTOR				1
5	WIRE ASSEMBLY 16 GA. ORNAGE 7"	S2-NO WIRE NUT	92524		100390	1
6	RECEPTACLE - SOLENOID VALVE		N/A			2
7	SOLENOID CORD ASSEMBLY	18/3 SO 14" LONG	92525			2
8	GREEN	GROUND			100218	1
9	BLACK					1
10	WHITE					1
N/A	RELIEF BUSHING		61101			2
N/A	LOCKNUT 1/2 CONDUIT		61102			2
14	POWER CORD ASSY	12/3 SO 24" LONG	92526			1
11	BLACK	WIRE NUT				1
12	WHITE	WIRE NUT				1
13	GREEN	GROUND			100218	1
15	WIRE NUT-ORANGE		61089			3
16	PUST BUTTOM - RED		95180			1
17	PUST BUTTOM - GREEN		95179			1
18	MICRO SWITCH		95178			2
19	COIL VALVE		95183			2
20	SOLENOID VALVE		95185			2

NOTE: ORNAGE WIRE IS 16 GA. AWG TYPE TFFN